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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/598,878

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Yoshitaka Nishio

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20222

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11/13/2009

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EXAMINER

ALIE, GHASSEM

ART UNIT

PAPER NUMBER

3724

MAIL DATE

DELIVERY MODE

11/13/2009

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

### Office Action Summary

**Application No.**

10/598,878

**Applicant(s)**

NISHIO ET AL.

**Examiner**

GHASSEM ALIE

**Art Unit**

3724

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-39 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_ is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☒ Claim(s) 1-39 are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SF 298)  
Paper No(s)/Mail Date \_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_

***Election/Restriction***

Restriction is required under 35 U.S.C. 121 and 372.

1. This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under pct Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required in reply to this action to elect a single invention to which must be restricted.

Group I, claims 1-13 and 19-39, drawn to a substrate cutting system including first and second substrate supporting units supporting a substrate such that the substrate which has been moved in a Y direction by clamp devices is cut along a X direction and the Y direction by substrate cutting devices.

Group II, claims 14-18, drawn to a substrate cutting system including substrate floating units for supporting the substrate with air.

2. The inventions listed as Groups or Inventions I and II do not relate to a single inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special features for the following reasons: The technical feature of the invention I, as mentioned above, is not present in inventions II. Conversely, the technical features in inventions II are not present in invention I.
3. Upon election of invention I (Claims 1-13 and 19-39) applicant must elect one of the following Groups of Inventions.

Group IA, claim 4, drawn to substrate cutting system including substrate cutting devices having a cutter wheel and a cutter head with a servo motor for transmitting a pressure

force against the substrate to the cutter wheel.

Group IB, claims 5-9, 11 and 39, drawn to a substrate cutting system including a steam unit section for spraying steam onto the substrate.

Group IC, claim 10, drawn to a substrate cutting system including a positioning unit section for positioning the substrate to be transported to the substrate supporting device.

Group ID, claim 12, drawn to a substrate cutting system including a removal means for removing an unnecessary portion of the substrate cut by the substrate cutting devices.

Group IE, claim 19, drawn to a substrate manufacturing apparatus including a chamfering system for chamfering an edge face of the substrate.

Group IF, claim 20, drawn to a substrate manufacturing apparatus including an inspection system for inspecting the function of a substrate.

Group IG, claims 21-26, drawn to a scribing method for forming scribing lines on a substrate including the steps of forming two scribing lines along at least two lines to be scribed on the substrate; and forming a first scribing line on the substrate, and moving on the substrate so as to draw a circular region without being apart from the substrate and then forming a second scribing line.

Group IH, claims 27-38, drawn to a scribing cutting method including the steps of forming a supplementary scribing line proximal to a formed main scribing line and approximately in parallel with the main scribing line.

It should be noted that claims 1-3 and 13 will be examined with the elected Subgroup.

It should also be noted that claim 1 links invention IA-IH. The restriction requirement

among the linked inventions is **subject to** the nonallowance of the linking claim(s) 1. Upon the indication of allowability of the linking claim(s), the restriction requirement as to the linked inventions **shall** be withdrawn and any claim(s) depending from or otherwise requiring all the limitations of the allowable linking claim(s) will be rejoined and fully examined for patentability in accordance with 37 CFR 1.104.

4. The inventions listed as Groups or Inventions IA-IH do not relate to a single inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special features for the following reasons: The technical feature of the invention IA, as mentioned above, is not present in inventions IB-IH. Conversely, the technical features in inventions IB-IH are not present in invention IA. It should be noted that inventions IA-IH are distinct from one another by having at least a specific feature or a step that is not presented in the other inventions.
5. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).
6. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance CFR 1.48 (b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

***Conclusion***

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ghassem Alie whose telephone number is (571) 272-4501. The examiner can normally be reached on Mon-Fri 8:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Boyer Ashley reached on (571) 272-4502. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, SEE <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

November 10, 2009

/Ghassem Alie/  
Primary Examiner, Art Unit 3724